

## Claims

1. A device for the provision of access to data in various data sources (1, 2, 3, 4, 5), namely data of an automation  
5 device and/or data of an ERP device and/or data of an MES device and/or other production-relevant data of another data source, characterized by means that make possible uniform, central access to all data sources (1, 2, 3, 4, 5) and uniform visualization of the data in the corresponding  
10 data sources (1, 2, 3, 4, 5).
2. A device as claimed in claim 1, characterized in that the means make possible role-based access to the data in the various data sources (1, 2, 3, 4, 5) in such a way that for  
15 one or more users (12, 13, 14) uniform access to data sources (1, 2, 3, 4, 5) predetermined for the particular user (12, 13, 14), and visualization of this data predetermined for the user, are ensured.
- 20 3. A device as claimed in claim 1 or 2, characterized in that the means include an access administration device (17) in order to make possible password-protected access and role-based access for one or more users (12, 13, 14) to the data in the various data sources (1, 2, 3, 4, 5).
- 25 4. A device as claimed in one or more of claims 1 to 3, characterized in that the means include a visualization device (19) in order to visualize the data in the various data sources (1, 2, 3, 4, 5) in a role-based manner.
- 30 5. A device as claimed in claim 4, characterized in that the visualization device (19) visualizes data from different data sources jointly in a visualization window.

6. A device as claimed in one or more of claims 1 to 5, characterized in that the means include a data acquisition device (18) in order to assemble data from the various data sources (1, 2, 3, 4, 5) in a role-based manner.

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7. A device as claimed in claim 6, characterized in that the data acquisition device (18) accesses the various data sources (1, 2, 3, 4, 5) in a manner controlled by the access administration device (17) and acquires data from these data sources, and in that the data acquisition device (18) makes this data available to the visualization device (17).

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8. A device as claimed in one or more of claims 1 to 7, characterized in that there is a polling device (20) configurable by users (12, 13, 14) in order to acquire data cyclically from various data sources (1, 2, 3, 4, 5) and to evaluate said data in such a way that upon attainment of a criterion configurable by users a corresponding message is automatically generated.

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